



# Autodesk® Inventor™

Suite 2008

Autodesk

# Add the power of 3D with the company that brought you 2D.

Autodesk® Inventor™ software products are the best choice for AutoCAD® software users who want to add the power of 3D without compromising investments in 2D design data and AutoCAD technical expertise.

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As the creators of AutoCAD software, Autodesk understands your design process and created Inventor to make the process of adding 3D as easy as possible. No company is more focused than Autodesk on helping designers create and bring better products to market faster at less cost.

Inventor gives designers the freedom to integrate existing 2D designs into their 3D design environment, making it easy to reuse and share both AutoCAD® DWG™ files and 3D design data with other Autodesk manufacturing applications and their users. With innovative approaches to accelerate and simplify the concept-to-manufacturing process, it's no wonder Inventor has outsold all competitors for the sixth consecutive year.

**The Right Tools for Your Design Process**

The Inventor product line provides a comprehensive and integrated set of design tools for 3D design and documentation, creating routed systems, and validating designs. Inventor not only includes data management software and AutoCAD® Mechanical for 2D drawing and detailing, but also delivers enhanced 3D productivity while preserving your company's 2D engineering designs through true DWG interoperability. It provides access to intelligent engineering content and offers the fastest way to generate production-ready drawings to help designers quickly go from concept to production.

**Specialized Tools for Your Design Needs**

Save time and reduce prototyping costs with specialized tools that help engineers to create and validate routed systems, including tube, pipe, or wire harness designs. Autodesk® Inventor™ Professional software provides the tools to create complete products, including complex routed system designs, while automatically creating accurate bills of materials (BOMs) and complete manufacturing documentation.

Validate designs before they are built. With Autodesk Inventor Professional, engineers can simulate the dynamic behavior of a design throughout its full operating cycle and accurately predict operating loads and accelerations. In addition, the integrated Finite Element Analysis (FEA) tool helps engineers analyze designs and avoid stress-related field failures.

With different product configurations that offer specific levels of functionality, Inventor is the best choice for AutoCAD users in manufacturing.

# Digital Prototypes

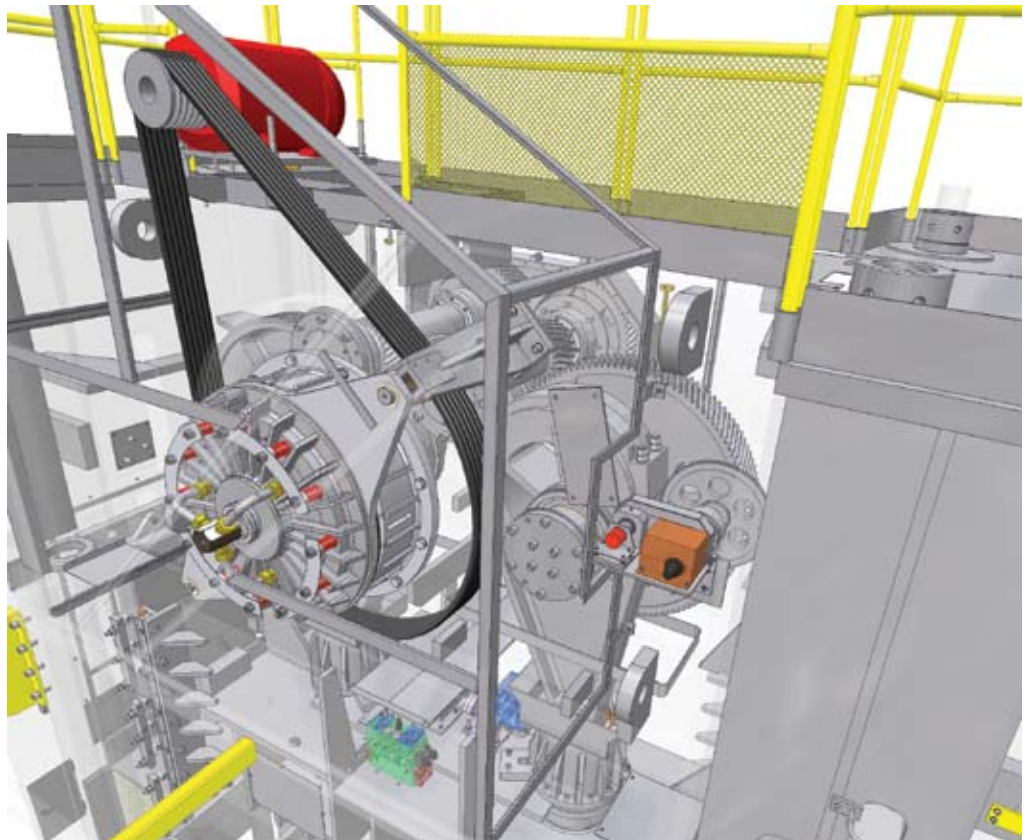
Make sure designs work before spending money on prototypes or manufacturing tooling.

With Inventor, 3D digital prototypes are complete and accurate models that enable users to check design and engineering decisions as they work, minimize the need for physical prototypes, and avoid costly changes when the design is sent to manufacturing.

## **ENHANCED** 3D Digital Prototyping

Test and simulate designs early in the design cycle to deliver more innovative, higher-quality products while reducing manufacturing costs and decreasing time to market.

- Work with parts and assemblies to lay out and resolve design function before committing to a prototype or finished part.
- Readily view sketches, parts, and subassemblies during and after creation in the context of the design, helping you make the right design choices throughout the process.
- Use Positional Representations to evaluate your assembly design in different positional states.



Rendering courtesy of Prensa Jundiá, Brazil.

# Digital Prototypes

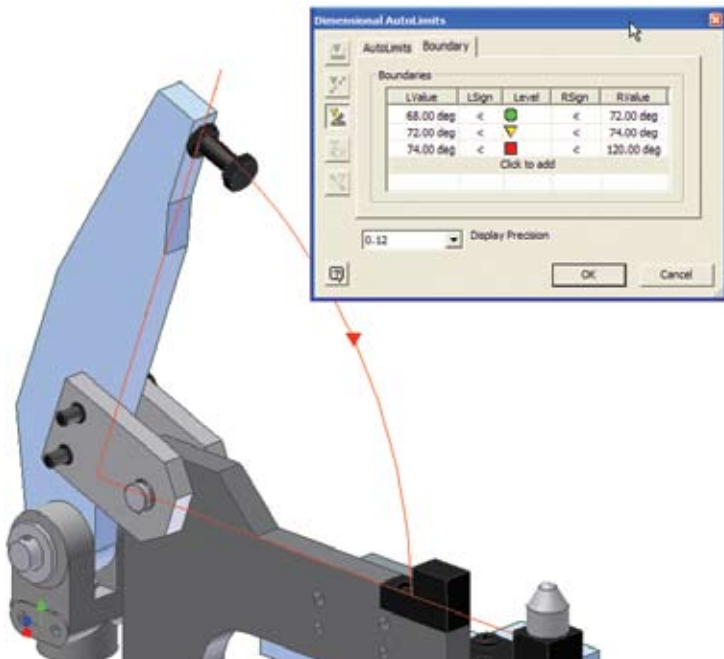
## Interference Analysis and Contact Detection

Reduce costly errors and improve manufacturability by testing assembly function within Inventor.

- Test part interference with automated tools, allowing the parts to be measured for fit.
- Drag a component to collide with another component, and validate that the reaction is correct.
- Isolate selected components in a contact set to determine whether the components behave in the expected mechanical motion.

## AutoLimits

Reduce errors and engineering changes through automatic monitoring of key design rules. AutoLimits provide color-coded warnings when a monitored parameter exceeds the prescribed design limit. Use AutoLimits to monitor length, distance, angle, diameter, loop length, area, volume, and mass.

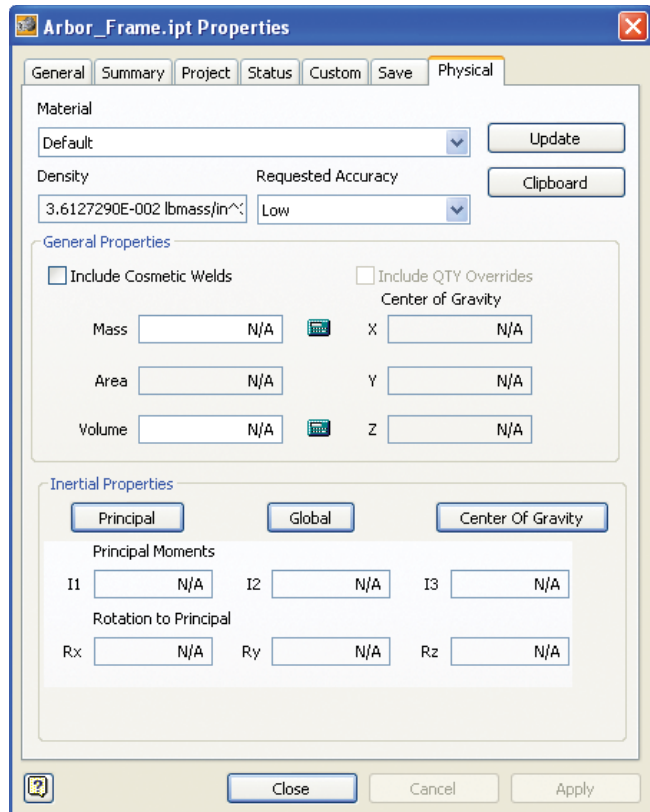


## NEW Assembly STL Output

Quickly create stereolithography (STL) files for rapid prototyping of Inventor assemblies. Save as STL file format directly from the Inventor assembly environment.

## Physical Properties

Design better products by using real-world properties during virtual prototyping. Parts and assemblies created in Inventor carry physical property information that helps designers make important design decisions. Tracked properties include center of gravity, material type, density, color, and texture.





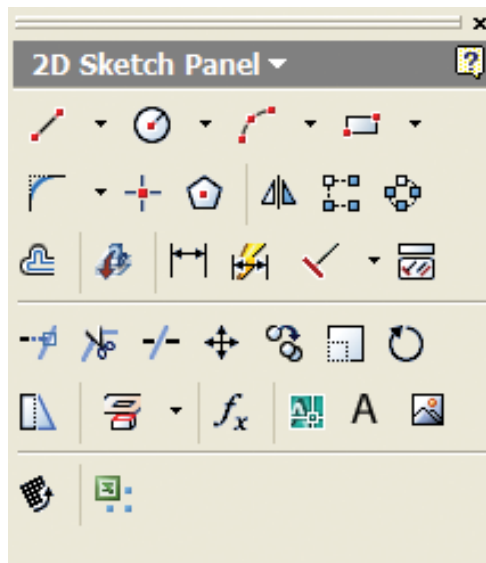
# AutoCAD Integration

Only Inventor provides DWG TrueConnect, delivering industry-leading integration of 2D and 3D design through direct read and write of the DWG format with full associativity to the 3D design data without translators.

Autodesk Inventor drawings saved as DWG files provide view, plot, and measure with exceptional visual fidelity for improved sharing of manufacturing information. With DWG Read, users save valuable time by opening AutoCAD designs in Inventor. Easily combine views generated from 3D part and assembly designs with AutoCAD data such as schematics and plant layouts. Update old 2D drawings by inserting views of new 3D designs to reduce the cost of upgrading existing equipment.

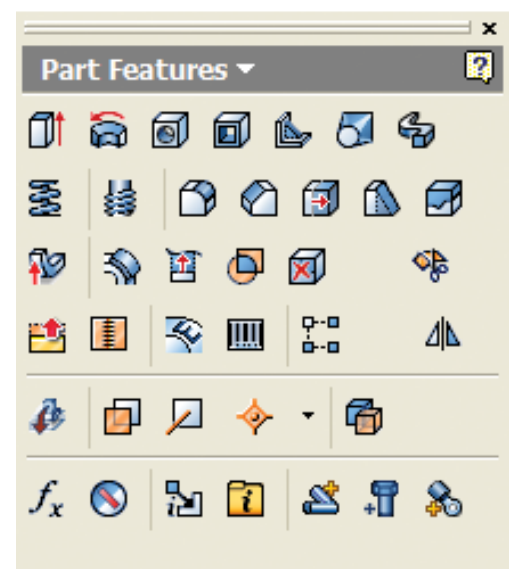
## **ENHANCED** Ease of Use

Reduce the time and training required for AutoCAD users to become proficient in 3D design workflows. Simplify the transition from AutoCAD to Inventor in a familiar design environment with recognizable icons, AutoCAD-compatible shortcuts, cursor-based prompts, and command redo. User profiles enable users to configure Inventor to match the way they work, with out-of-the-box profiles for AutoCAD and Inventor experts. In addition, users can transfer their settings between different computers by exporting the profile to XML.



## **Inventor-AutoCAD Mechanical Interoperability**

Accelerate time to market and reduce errors by enabling associative 2D and 3D collaboration. With this interoperability, AutoCAD Mechanical software creates drawings of Inventor components by enabling users to open native Inventor parts and assemblies. When the design changes in Inventor, the AutoCAD Mechanical drawing is automatically updated.



## **ENHANCED** Mechanical Desktop Import

Simplify the migration of Autodesk® Mechanical Desktop® software designs to Inventor to easily capture part, assembly, and drawing intelligence. Reuse Mechanical Desktop models and drawings as parts, assemblies, and drawings in native Inventor format while maintaining their original design constraints and drawing relationships. Migration functionality supports automatic drawing view creation, recognizing model-to-drawing associativity for annotations, scenes, unit settings, and more.

# AutoCAD Integration

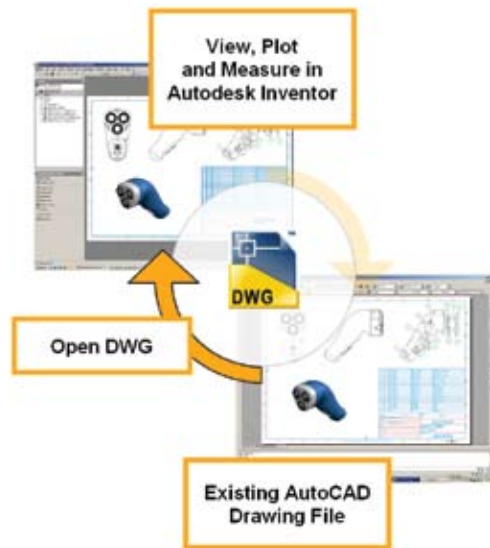
## NEW DWG Save

Integrate DWG technology into the 3D design workflow to take advantage of existing skills; easily combine part, assembly, and schematic drawings data; and streamline communication with suppliers and partners who rely on DWG technology. This feature stores Inventor drawing views in the DWG file to provide view, plot, and measure in AutoCAD with complete visual fidelity, while preserving fully associative drawing updates.



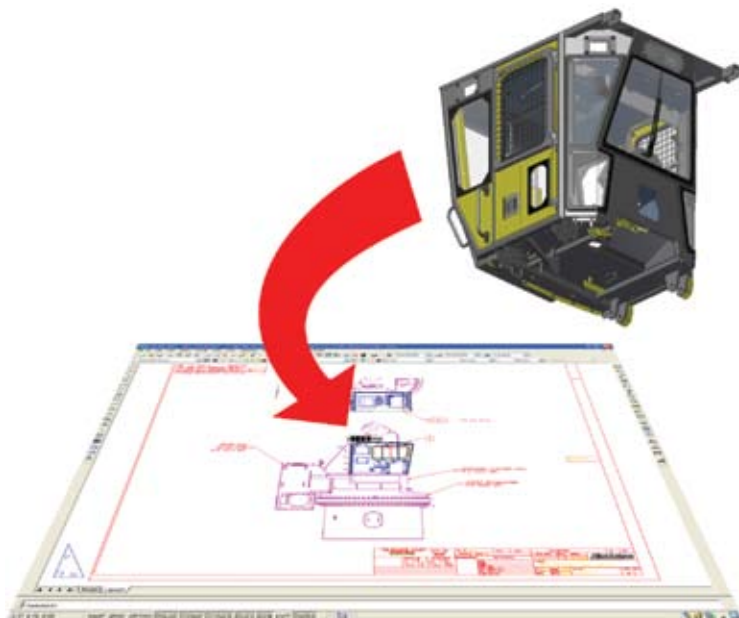
## NEW DWG Open

Gain access to existing 2D design data without installing or learning AutoCAD software. Open AutoCAD drawings directly in the Inventor application so you can view, plot, and measure using familiar Inventor commands. Incorporate existing 2D design data into 3D design workflows using Copy and Paste.



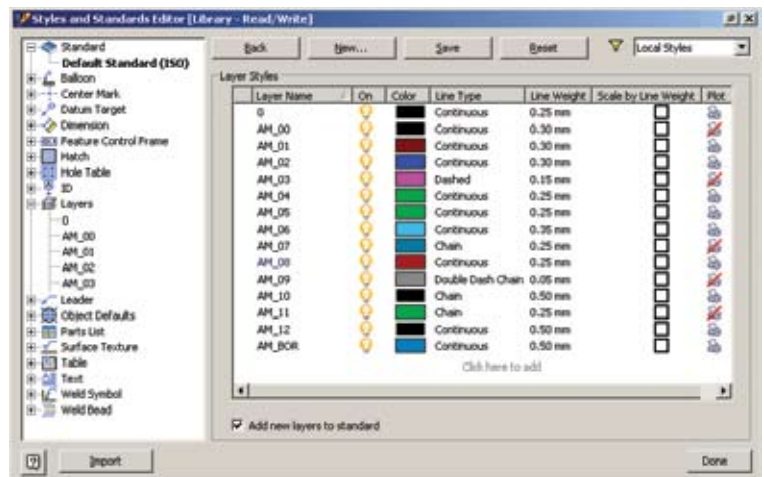
## NEW AutoCAD Blocks from Inventor Views

Reduce the cost of using 3D for upgrade projects originally designed in 2D. This feature generates AutoCAD blocks from Inventor drawing views so users can redesign subassemblies using Inventor and then integrate the new drawing views directly into the original drawings.



## NEW Template Synchronization

Open a DWG file in Inventor and automatically create layers and dimension and text styles based on the AutoCAD styles in the DWG file, thus reducing the time required to create drawings that comply with your customers' drawing standards.



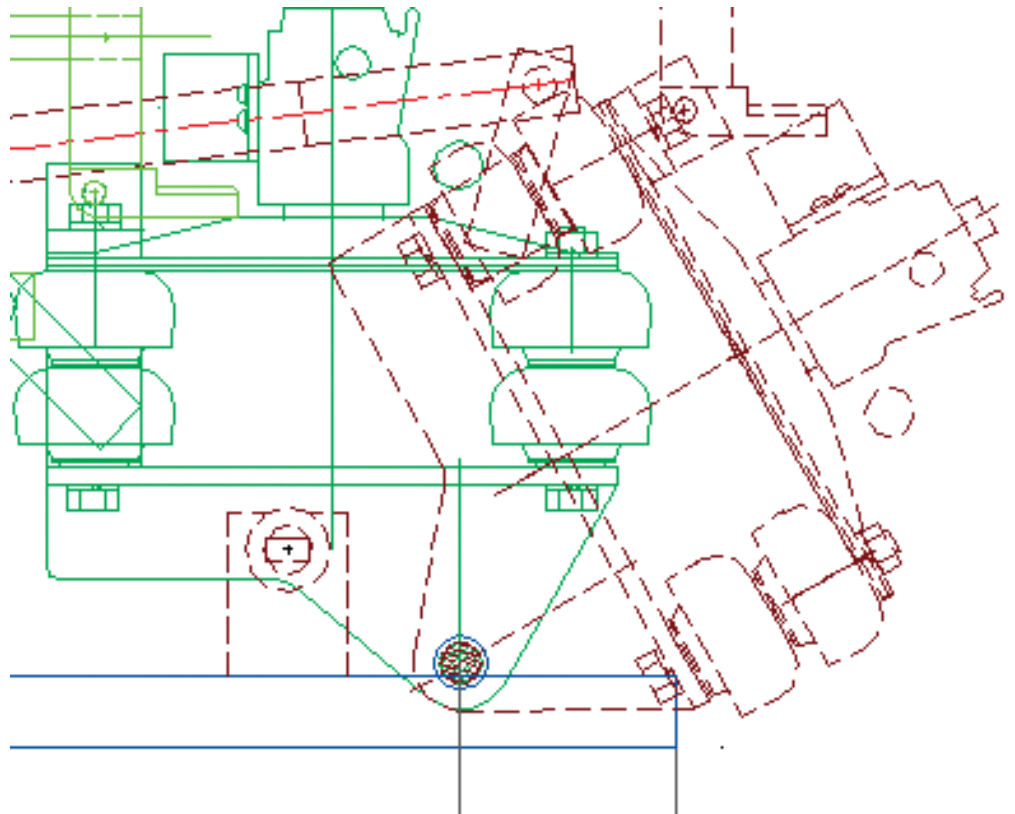
# Part Design

With the power of functional design, Inventor helps you focus on the functional requirements of a design to drive the creation of 3D models and create competitive product designs in less time.

Fully associative models help ensure that any changes to the part design are automatically reflected in the assembly and drawing files, so that the complete design and manufacturing documentation is accurate and current.

## ENHANCED Sketching

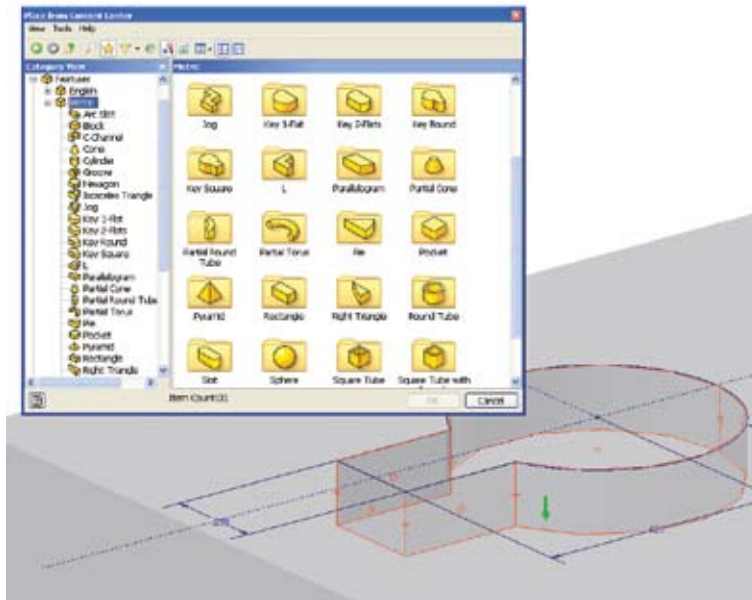
Evaluate different design ideas before creating detailed part and assembly models. By using the Inventor sketch environment, you can quickly capture design ideas as versatile 2D layouts. By combining the power of constraints with easy-to-use tools for modifying sketches, you can try different design concepts and control color and line style to help convey your design ideas.



# Part Design

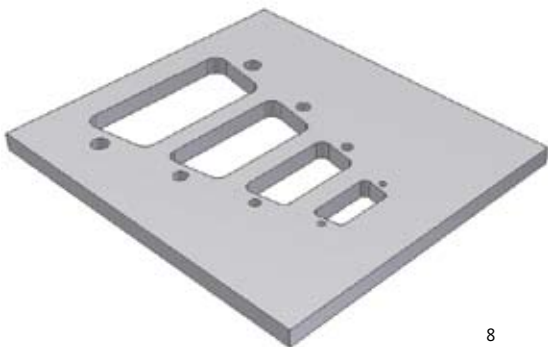
## Feature Generator

Drag-and-drop shape libraries accelerate the transition to 3D modeling by making it easy and fast to create and edit parts. Use the feature generator to create fully editable Inventor parts by simply dragging shapes from a library of standard geometry.



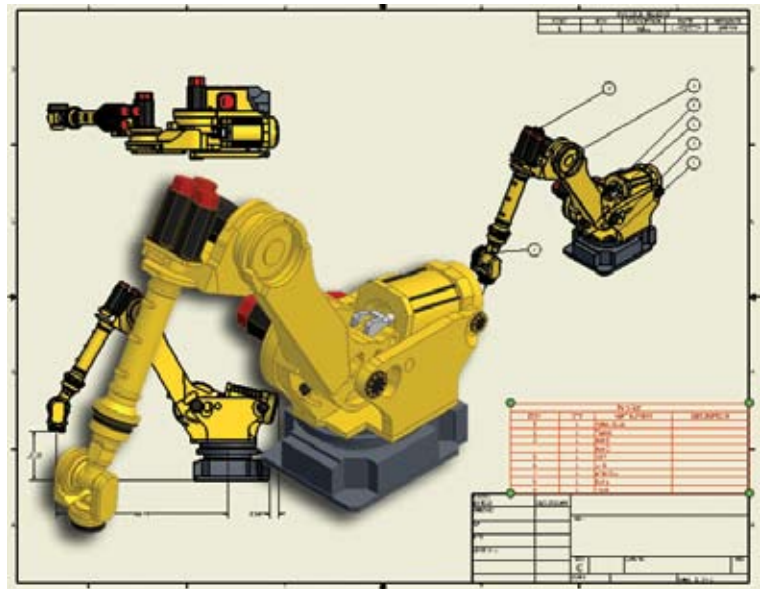
## NEW Sheet Metal Punch Libraries

Users can define their own sheet metal punch libraries to standardize punch usage and reduce CNC tooling costs. Table-driven punches enable users to define families of punches, typically different sizes of the same punch shape with full representation of manufacturing parameters, including PunchID, punch depth, and sketches for alternate punch representations.



## Associativity

Take advantage of automatic propagation of design changes to reduce errors and accelerate time to market. Associate parts and assemblies with design relationships, so that a change made to a part is reflected in the assembly design and all associated drawing files. In addition, a change to the assembly is reflected in the parts and drawing files. This means that if users edit associated components, such as parts and subassemblies, those changes ripple throughout all parts, assemblies, presentations, drawings, and related partner add-ins (such as computer numerical controlled (CNC) tool paths or FEA).

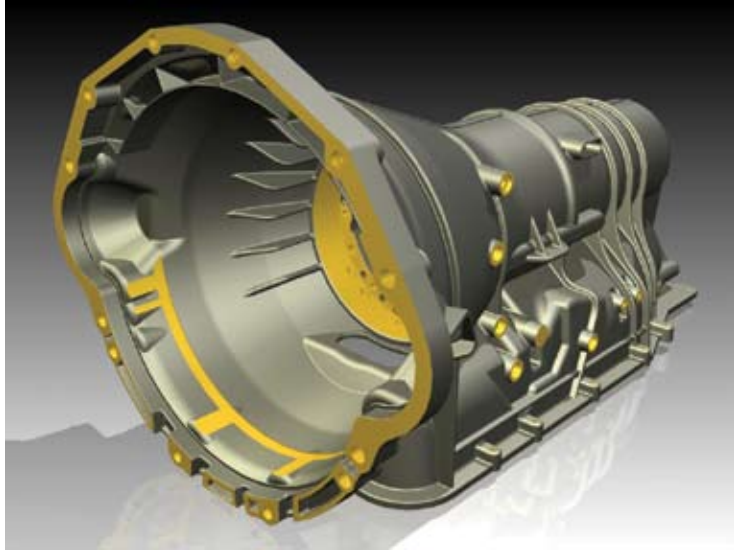




# Part Design

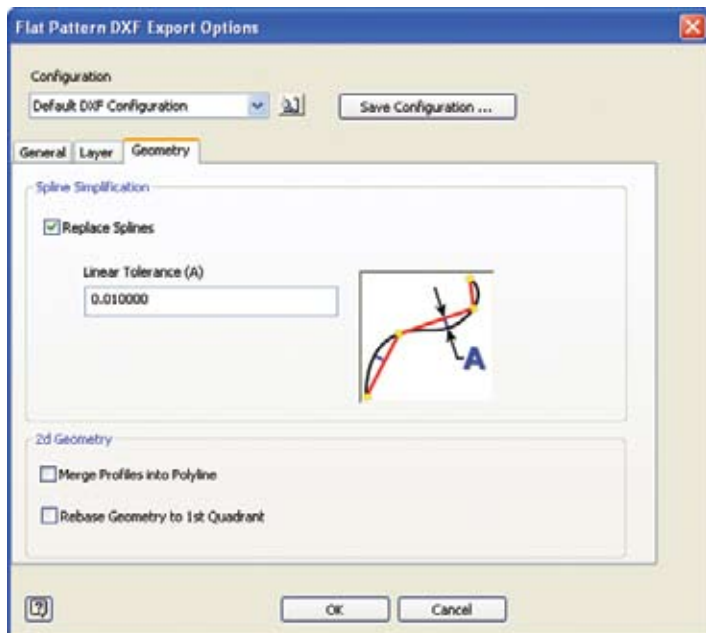
## ENHANCED Advanced Shape Description

Create a wide range of complex geometries by easily combining solids and surfaces. Inventor gives users precise control of shape characteristics, such as tangency and continuity. Advanced modeling tools include Loft to a Point, N-Sided Patch, Sweep Normal to Surface, Area Loft, Centerline Loft, G2 Continuous Fillets, Full Round Fillets, and Face-to-Face Fillets.



## ENHANCED Sheet Metal DXF Output

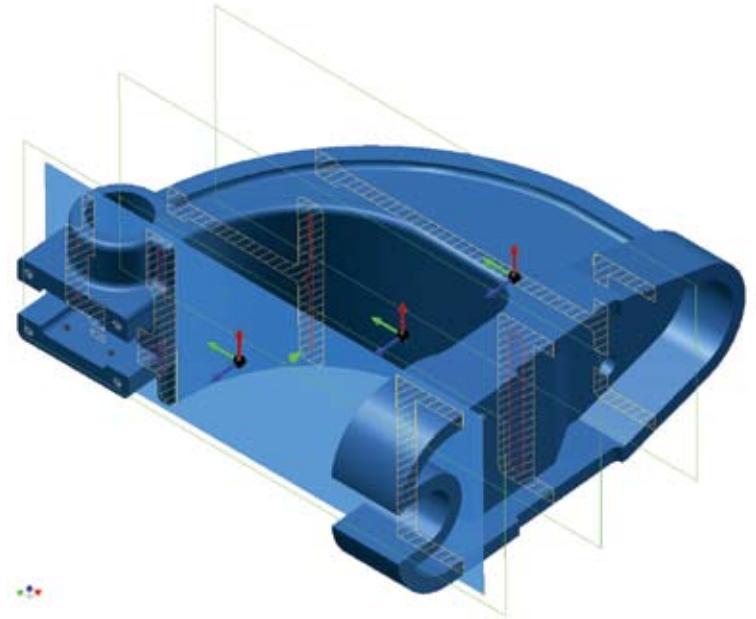
Reduce programming time by eliminating time spent cleaning up DXF files for CNC machining. DXF/DWG export for sheet metal provides control of preprocessing and postprocessing options such as DXF/DWG file version, layer mapping, user-defined chord length for spline simplification, and customization through external XML files.



## ENHANCED Geometry Analysis

Create models with high-quality surface characteristics, and check design data for manufacturability to avoid costly changes during manufacturing setup. Comprehensive analysis tools for checking geometric properties of a design are available in both the part design and construction environments. Tools include the following:

- Zebra analysis with density control and enhanced display accuracy, providing visual confirmation of surface continuity and tangency
- Gaussian surface analysis, providing feedback of surface curvature
- Cross section analysis displaying wall thickness with color-coded feedback of minimum and maximum thickness violations
- Draft angle analysis displaying color-coded draft angle based on a pull direction that can be defined by an axis, plane, or planar face
- Check of minimum distance between two components or faces in an assembly



## NEW Sheet Metal API

The Inventor API (application programming interface) provides access to the flat pattern and punch library data required to build highly automated shop floor integration to CNC punch machines so users can transfer design data directly to manufacturing operations and get products into production as quickly as possible.

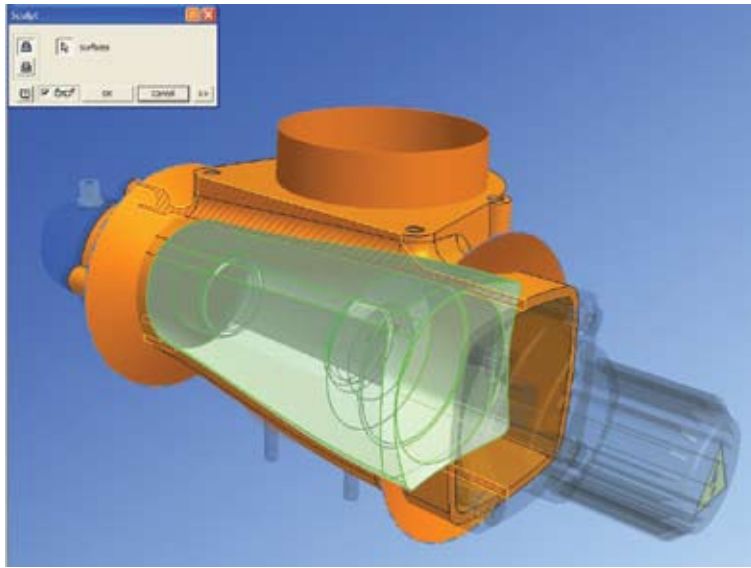
# Part Design

## **NEW** Import from Autodesk AliasStudio

Use concept design data from Autodesk® AliasStudio™ software to reduce the time required to complete the 3D product design. Reuse curve and surface data from AliasStudio using the DWG import and export tools that are built into the two products. Manipulate imported surfaces in the Inventor construction environment, and then use the Sculpt tool to quickly incorporate them into the 3D part model.

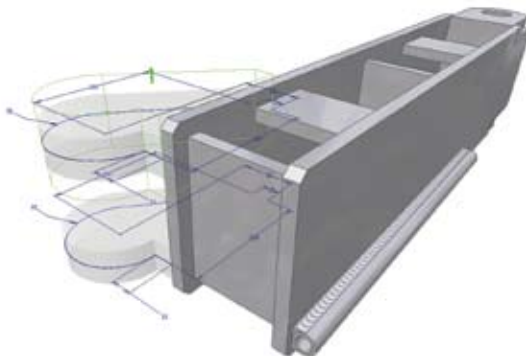
## **Sculpt Tool**

Quickly and easily modify shape details using surfaces from Inventor or by incorporating imported surfaces. Construct 3D part geometry from closed set surfaces, and incorporate imported surface data into the model using the Sculpt tool to modify existing parts by adding or removing material.



## **ENHANCED** 3D Grips

Quickly make design changes with intuitive drag-based sketch and model editing. Use 3D grips to edit parametric parts with drag-based editing. Simply select a face and use the grab “handles” to drag it to a new position.



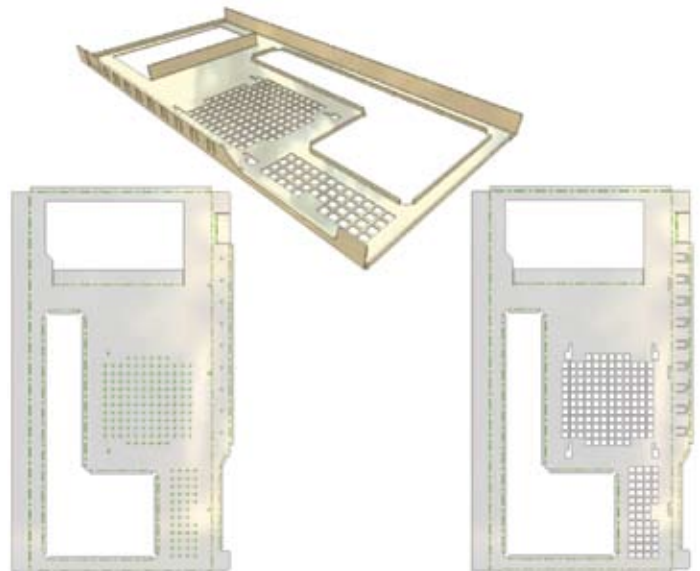
## **ENHANCED** Sheet Metal

Accelerate the design of complex sheet metal parts in 3D using specialized features to define sheet metal structures, such as flanges, folds, miters, seams, and corner reliefs. Edge chaining allows creation of multiple flanges in a single step. Rich unfold options and automatic mitering reduces the time required to define the folded part model.



## **Sheet Metal Flat-Pattern Features**

Generate optimized flat patterns to eliminate unnecessary manufacturing costs. Unfold sheet metal models to create flat patterns with associative flat-pattern editing to support cleanup operations such as modifying corner reliefs to match specific capabilities available on the shop floor.



# Assembly Design

Inventor combines functional design with easy-to-use assembly tools so users can be sure that every part and component in an assembly design fits correctly.

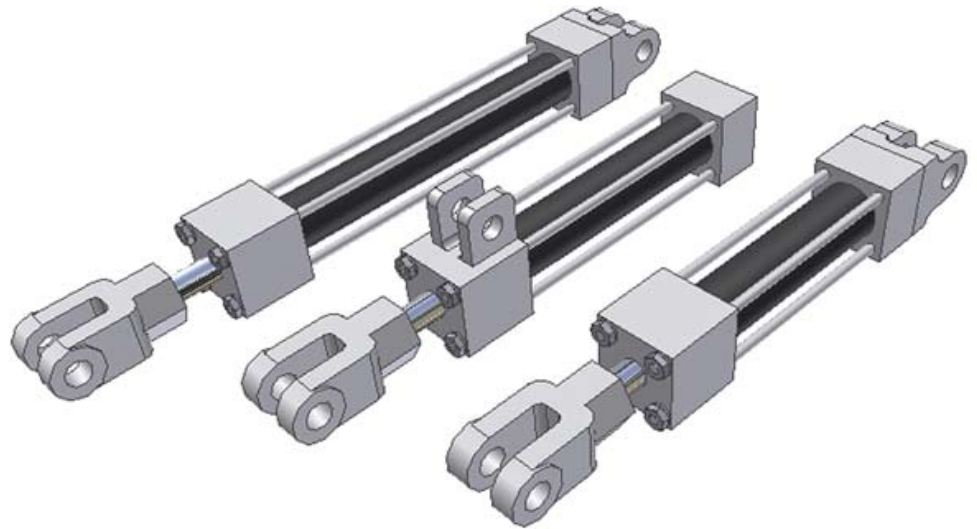
Validate interference and mass properties to produce quality products the first time around. Inventor provides powerful tools to control and manage data created by large assembly designs so users working on large assemblies can quickly complete their part of the design.

## Assembly Definition

Quickly assemble individual parts and subassemblies to define the complete product structure and verify that the product can be assembled. Insert and position new components in the assembly using constraints to capture the positional relationships that define fixed and moving components.

## Assembly Configurations

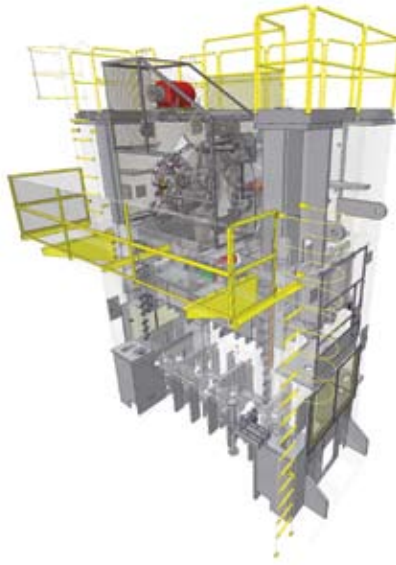
Easily design and document product families using assembly configurations to define variations from a master assembly. Exclude or substitute individual components and make changes to dimension and constraint values. Then document the whole part or assembly configuration using the Table tool, which automatically creates the parameter table in a 2D drawing.



# Assembly Design

## Large Assembly Management

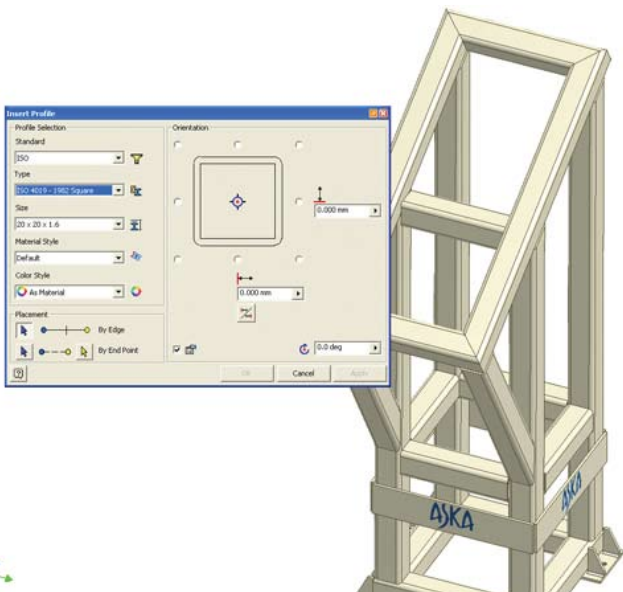
Realize the benefits of 3D design when developing very large assemblies. With Level of Detail (LOD) representations, users have full control over how much information to load when working with large assemblies. The user can control memory consumption by suppressing components. A large assembly “capacity meter” provides a visual indication of how much memory is available.



Rendering courtesy of Prensa Jundiá, Brazil.

## ENHANCED Frame Generator

Quickly design and develop welded frames for industrial machinery applications. Frame Generator automates the design of structural frames with specific tools to streamline placement of predefined structural shapes and simplify creation of end conditions and welded joint cleanup.

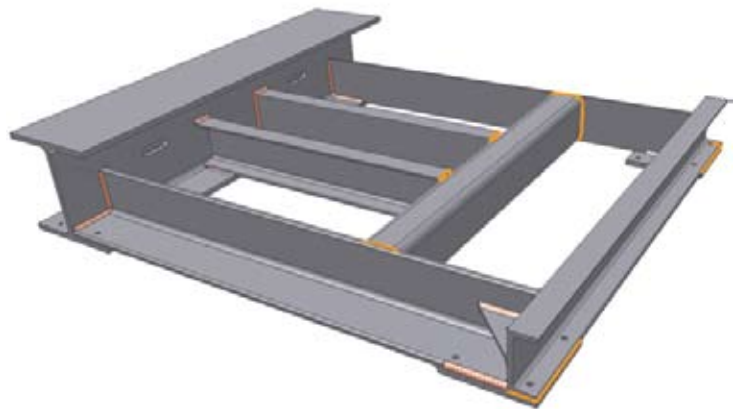


## Weldments

Model welds in 3D to improve quality by simulating weld preparation, welding, and postweld operations.

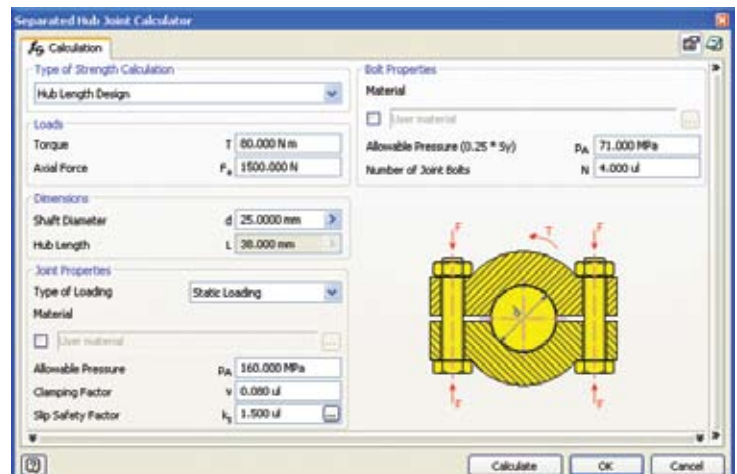
The comprehensive, best-in-class environment for the design of weldments includes the ability to

- Classify and model fillet, gap, and groove weld beads as 3D solids
- Automatically create 3D annotation based on industry or company standards, and automatically generate associative 2D weld symbols for documentation
- Create weldment analysis and reports that include bead volume reporting and comprehensive interference detection of all solid weld bead types



## ENHANCED Mechanical Calculators

Avoid costly rework and improve design efficiency with easy-to-use online engineering guidance and analysis tools. An interactive set of engineering calculators builds on standard mathematical formulas and physical theories used in both design and validation of mechanical systems. Included are calculators for weld and solder, plain bearing, plate calculator, fit and tolerance, brake, and clamping joint operations.

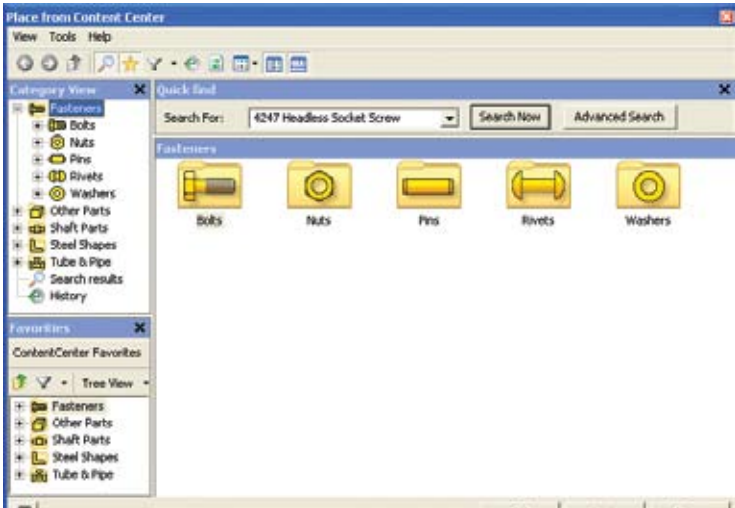




# Assembly Design

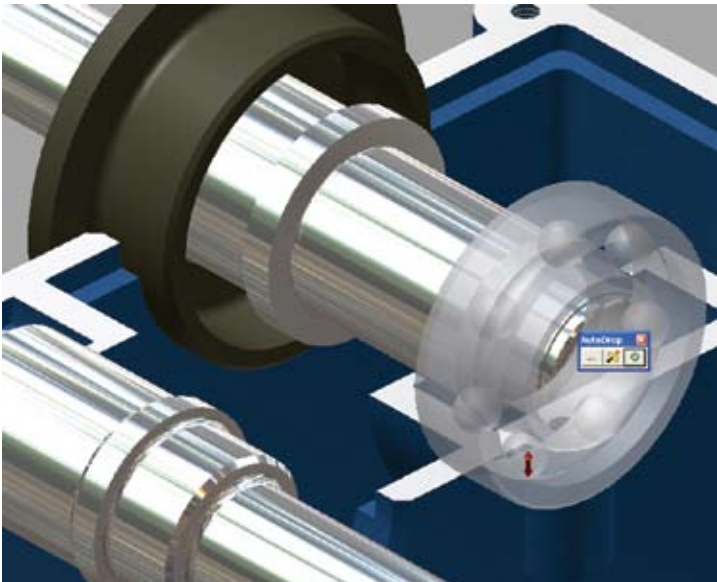
## ENHANCED Content Center

The Content Center provides fast and easy access to frequently used content, simplifying creation, reuse, and management of all standard company content. The Content Center is a centralized library for engineering content that provides an easy-to-use content browser with search and filter tools to help users quickly find the right part families. It includes more than 650,000 components—such as nuts, bolts, and screws—and enables companies to add in-house parts and standard features to user-defined libraries.



## ENHANCED AutoDrop

Increase productivity when adding standard components to a design. AutoDrop provides intelligent component insertion with one-click placement, and selects the part with the correct dimension as the cursor moves over valid geometry. Graphical preview and intelligent 3D grips provide incremental adjustment based on sizes available in the Content Center.

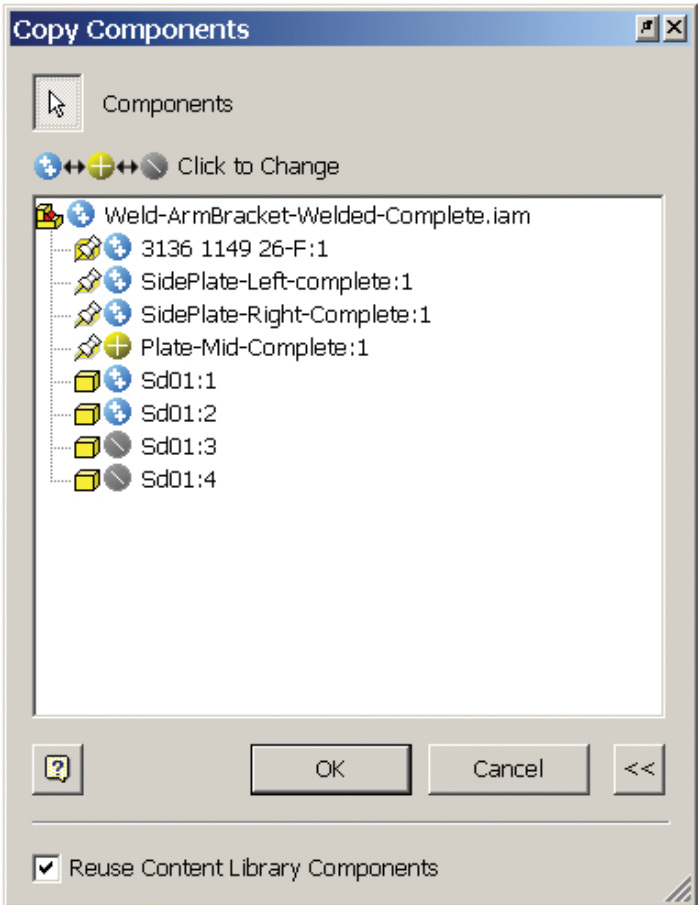


## Design Views

Boost productivity when working with large, complex assemblies by creating views that let users focus on just the assembly components needed for the current task. Quickly isolate specific parts or subassemblies, and capture these views for use by any member of the design team—so everyone can see what they need, when they need it.

## Component Copy

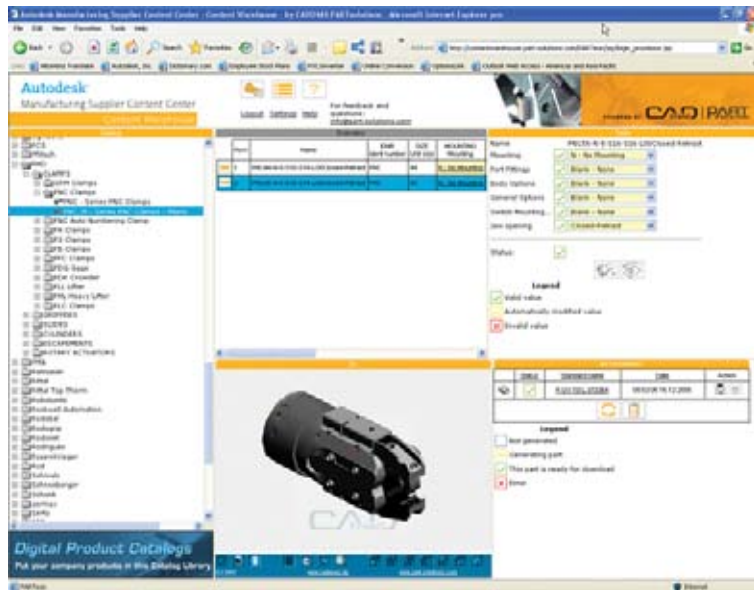
Improve your ability to reuse parts and assemblies from previous designs. A utility for copying subassemblies and parts that will be used to create a completely new assembly, Component Copy includes automatic naming functionality to create same-as and except versions of part and assembly names. It also copies part and subassembly-level information such as work features, constraints, iMates, welds, and assembly-level features.



# Assembly Design

## Supplier Content Center

Reduce the time and effort required to incorporate standard components into designs. The Supplier Content Center provides web-based access to component models from more than 100 leading manufacturers. The simple-to-use browser provides quick and easy access to models in native Inventor format. And it's fully integrated with the Autodesk Inventor Content Center.



## ENHANCED Design Doctor

Find and fix errors in 3D model with a diagnostic tool that identifies potential design issues and recommends corrections. The improved Design Doctor™ feature isolates conflicting constraints to point out areas that require attention.



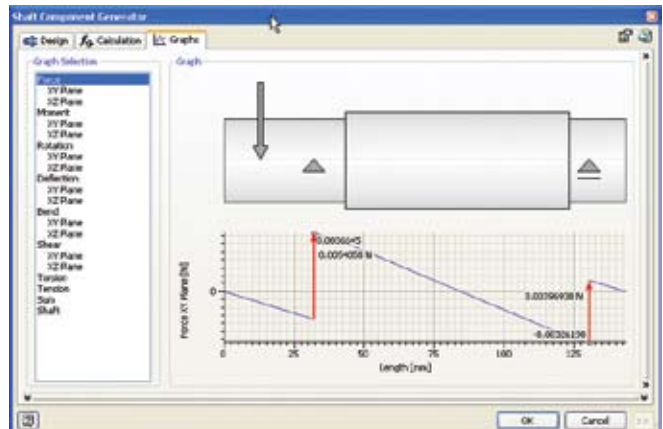
## ENHANCED Design Accelerators

Move beyond 2D drafting and 3D modeling, and accelerate design by working with parts that are based on mechanical relationships rather than geometric (lines, arcs, and circles) descriptions and constraints. Use the Engineer's Handbook, Mechanical Calculators, and Component Generators—part of the design accelerator—to create parts and assemblies based on real-world attributes such as speed, power, and material properties.



## ENHANCED Component Generators

Rapidly design, analyze, and create commonly used machine components based on functional requirements and specifications. Create parts and assemblies based on real-world design parameters such as power, speed, torque, material properties, working temperatures, and lubrication conditions. Inventor software includes component generators for mechanical connections, shafts and hubs, o-rings, gear design, belt and chain drives, power screws, and springs.



# Design and Manufacturing Documentation

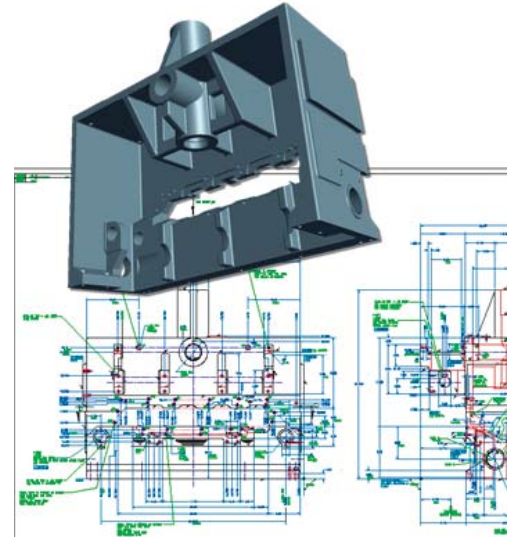
Inventor takes the production of manufacturing and documentation to the next level of productivity through automatic generation of drawing views and comprehensive tools for finishing drawings.

The Drawing Manager in Inventor supports all the major drawing standards, dramatically reducing the time required to complete standards-compliant drawings to help deliver the design in less time.

## **ENHANCED Automatic Drawing Views**

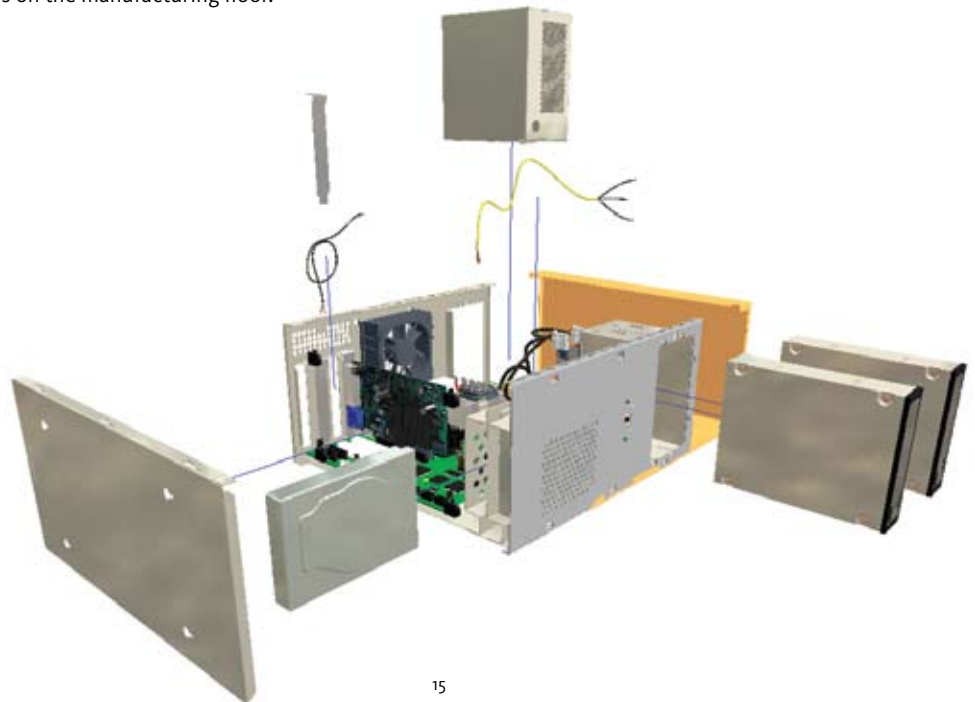
Dramatically reduce drawing creation time over traditional 2D methods. Automatic Drawing Views enable users to

- Call out the views needed on the drawing sheet, including front, side, ISO, detail, section, and auxiliary views, and let Inventor project the geometry with comprehensive options for controlling hidden-line display at the component level
- Retrieve dimension data from the 3D model to quickly place the dimensions, including isometric view dimensions, and let Inventor update the dimensions when changes are made to the 3D model
- Use a comprehensive set of dimension, annotation, and 2D symbols for quick and flexible completion of the drawing set
- Create overlay drawing views that illustrate various potential states of assemblies
- Access support for technical drawing standards, including ANSI, BSI, DIN, ESKD, GB, ISO, and JIS



## **Technical Illustrations**

Use the Presentation Environment in Inventor to quickly create technical illustrations, process sheets, training materials, part manuals, assembly instruction sheets, and videos to train assembly teams on the manufacturing floor.



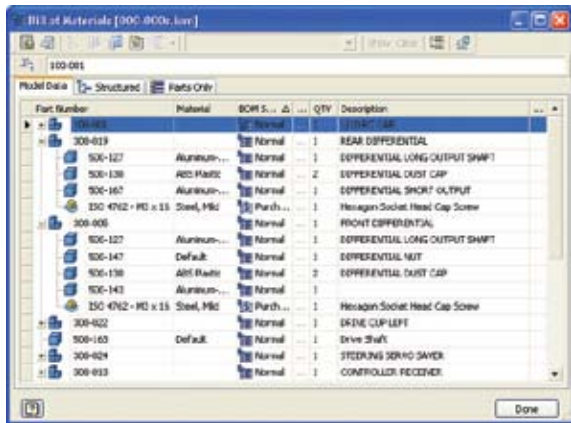


# Design and Manufacturing Documentation

## ENHANCED Bill of Materials

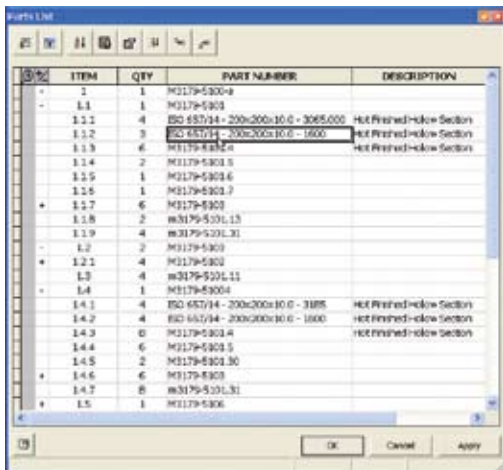
Provide earlier visibility into accurate component lists to improve costing and sourcing decisions. Simplify release to manufacturing with accurate engineering BOM data. The BOM is a single source for managing the assembly and subassembly structure of purchased and nonpurchased parts, including virtual components. Timesaving features include the following:

- Automatic numbering with support for numeric and alpha characters, and item number override
- Material definition for virtual components, such as glue and paint
- Direct editing of materials in the BOM table, which allows material changes to be made to more than one item at the same time



## Associative Parts List

Automatically generate and update accurate parts lists in a fraction of the time required by traditional 2D methods, virtually eliminating human error. The associative parts list enables users to maintain an accurate parts list with part and subassembly quantities that are automatically kept up-to-date, organized, and populated into a drawing parts list. Rapidly add balloons and item numbers to assembly drawings. And users have greater flexibility in customizing parts list to meet company standards.

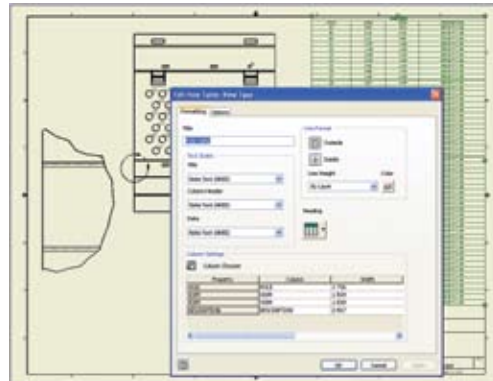


## Automatic Drawing Updates

Reduce errors and the need for manual checking through automatic drawing update. Inventor associates drawing views to the original components so any change made to a part or an assembly is automatically reflected in the drawing. Inventor also supports global updates of drawing resources, such as title blocks, borders, and sketched symbols.

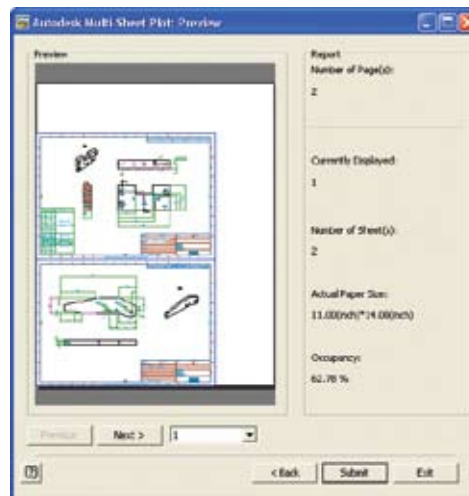
## NEW Sheet Metal Manufacturing Drawings

Quickly create accurate manufacturing drawings to support sheet metal manufacturing operations. Key manufacturing information such as bend angles and radii, as well as punch direction, punch angle, punch ID, and punch tool depth are captured in the 3D model and referenced directly in the associated manufacturing drawing. Insert bend and punch tables in the drawing with a single command. Drawing Manager supports alternate punch representations and annotation of bend directions using drawing styles for bend line style.



## Multi-Sheet Plot

Optimize paper usage and reduce plot setup time using the Multi-Sheet Plot feature in Inventor. The Multi-Sheet Plot Manager automatically arranges drawing sheets to generate a composite plot file that optimizes sheet layout on a selected paper size. Print plots directly, or save them as a batch file.





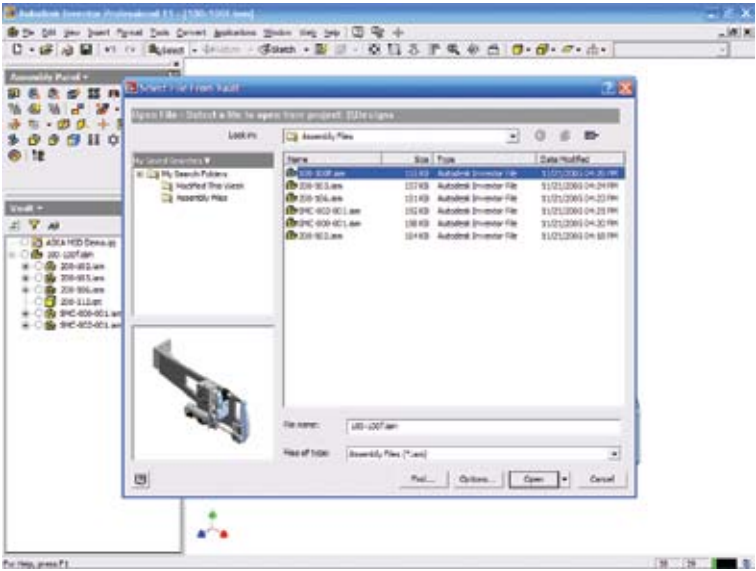
## Collaboration and Communication

Inventor enables the efficient and secure exchange of design data to support collaboration between different engineering contributors, including industrial design, product design, and manufacturing.

Improve communication throughout your supply chain while maintaining control and security of proprietary design data.

## ENHANCED Autodesk Vault Integration

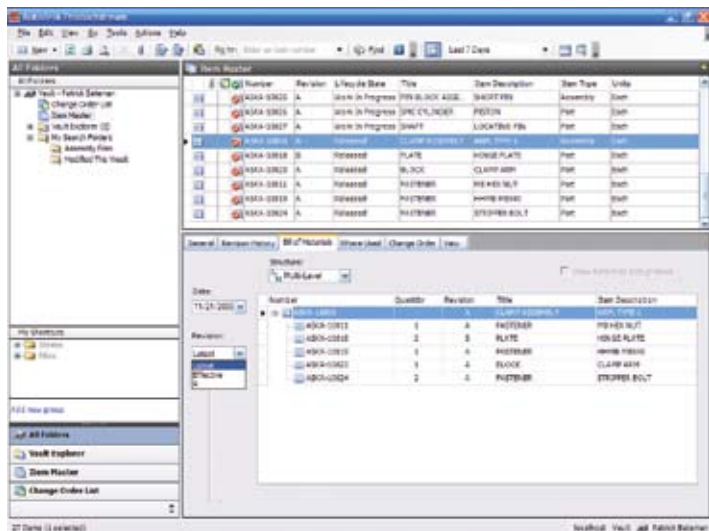
Autodesk® Vault data management software is a centralized application for workgroups that securely stores and manages work-in-progress design data and related documents. Use it to maximize return on your company's investment in design data by driving design reuse.



# Collaboration and Communication

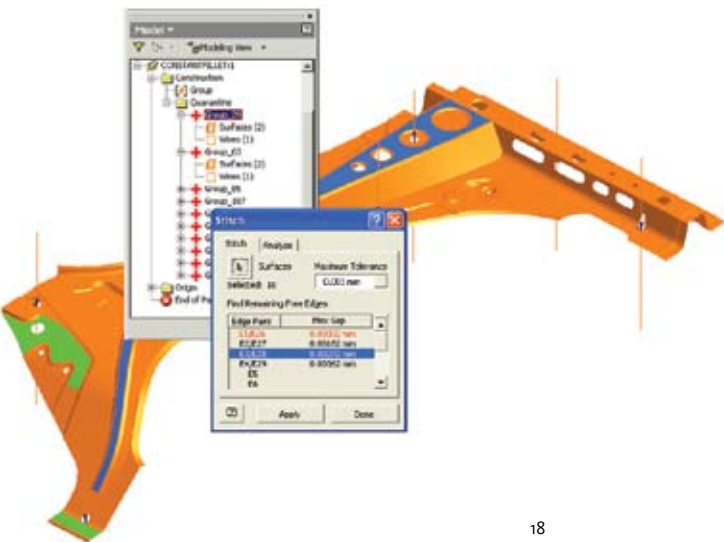
## ENHANCED Autodesk Productstream

Help ensure that your company's designs are complete, accurate, approved, and released to manufacturing in a timely and effective manner. Autodesk® Productstream® software automates the release management process by managing engineering changes and BOMs while the engineering department maintains control of the design data.



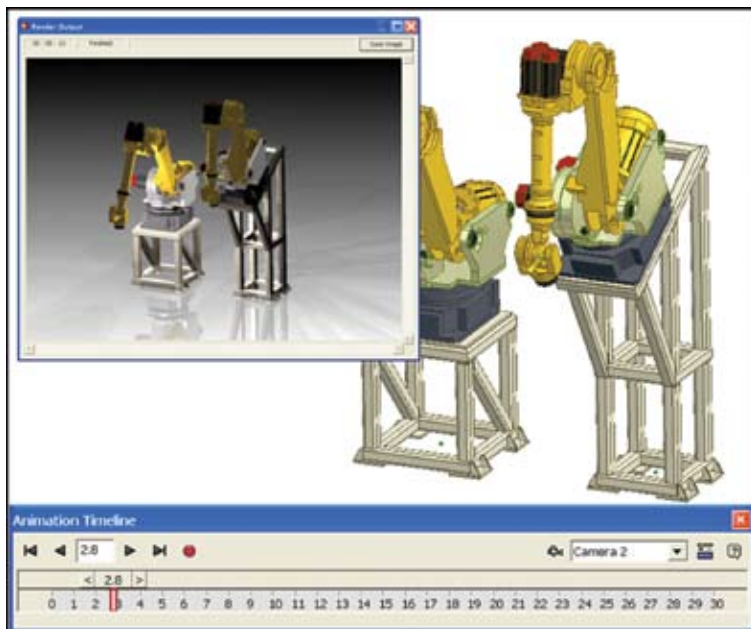
## Construction Environment

Reduce the time required to inspect and repair customer data files. The Inventor Construction Environment provides fault-tolerant import of large STEP and IGES data sets, with a quarantine to hold entities containing geometric problems such as surface slivers and mismatched boundary curves. The construction environment also includes a comprehensive toolkit for inspecting, editing, and correcting quarantined entities, including solids, surfaces, wireframes, and points. Data sets can be corrected and promoted into 3D part models, surfaces, or 3D wireframes.



## ENHANCED Autodesk Inventor Studio

Improve communication with customers and other decision makers by creating high-quality photorealistic renderings and animation in the Inventor design environment. Autodesk® Inventor™ Studio gives design engineers direct access to this specialized and typically expensive functionality. Mirror and turntable animation tools and a streamlined user interface reduce the time required to set up and create cyclic animation sequences.



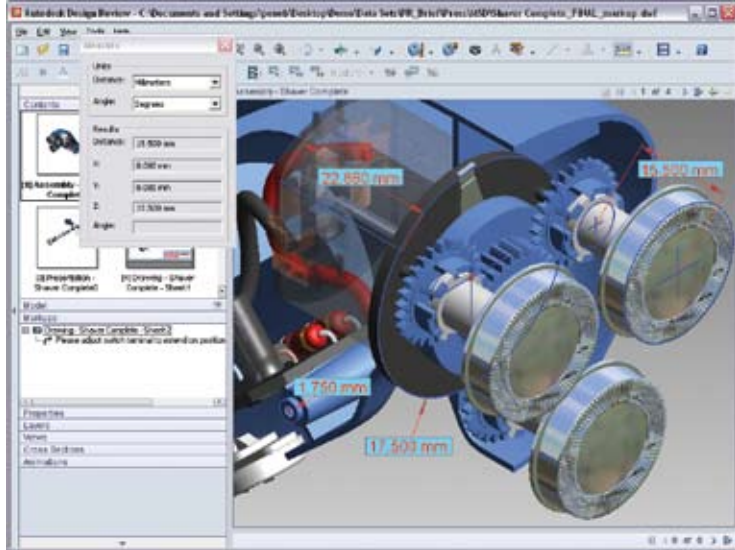
## ENHANCED Import/Export Formats

Inventor supports industry-standard data transfer for importing and exporting design and drawing information. It enhances collaboration with suppliers and customers by enabling sharing and reuse of design data with other 3D CAD/CAM systems. Import DWG, DXF, Pro/ENGINEER®, SAT, IGES, and STEP files. Export part assembly files, including IGES, SAT, STEP, STL, and the Autodesk Streamline® on-demand collaborative project management solution. Export drawing files, including DWG (with full layer mapping), DWF, and DXF formats.

# Collaboration and Communication

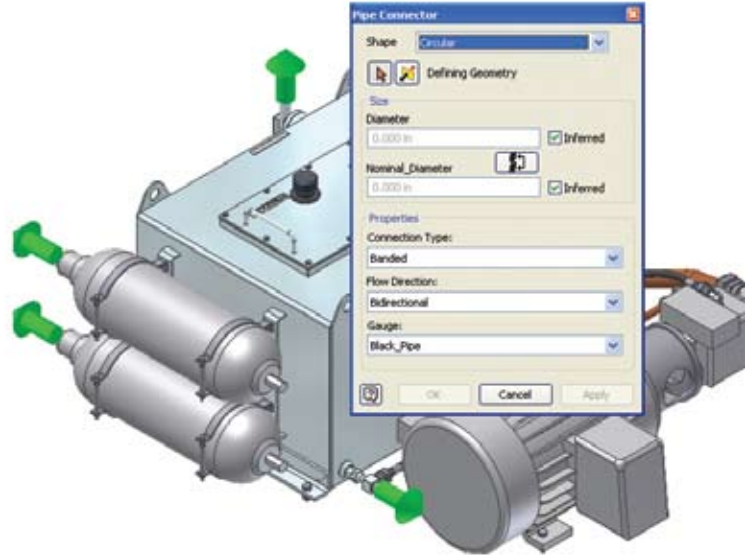
## ENHANCED DWF Publishing

Improve product quality, decrease time to market, and reduce scrap and rework costs by using DWF™ technology to streamline communication with suppliers, purchasing, and other supply chain partners. Publish the information required by manufacturing partners, including assembly animations and detailed step-by-step assembly instructions, 2D drawings, and 3D models with BOM information.



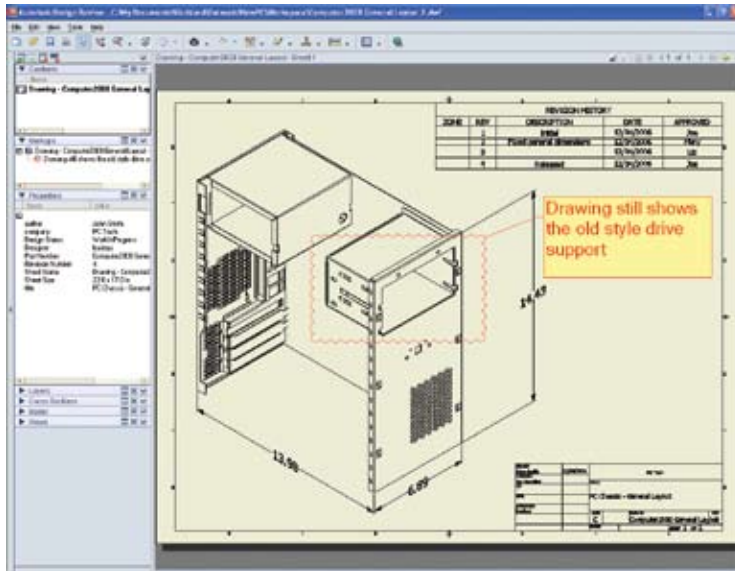
## AEC Exchange

The AEC (Architecture, Engineering, and Construction) Exchange tool creates and publishes simplified 3D representations, intelligent connection points, and additional information in native file formats for AutoCAD® MEP software. Users can also export 3D geometry to AutoCAD® Architecture, Revit®-based software, and AutoCAD software.



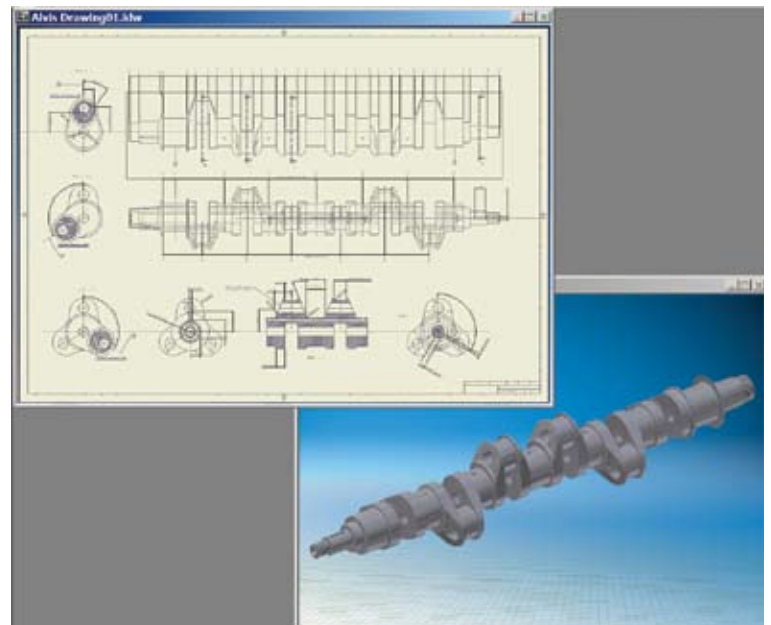
## NEW DWF Markup

Easily track, manage, and verify multiple markups and design changes throughout the design review process. Overlay DWF markups directly onto Inventor drawings, provide status, and make changes. Users can then republish or “round trip” those changes back to the design reviewer to complete the process.



## Autodesk Inventor View

Share designs with your extended manufacturing team with high-fidelity viewing and printing of parts, assemblies, and drawings.



# Customization and Automation

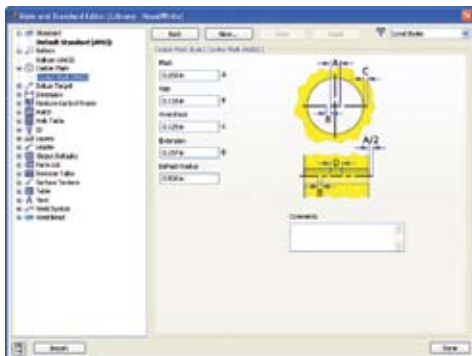
Make the most of your investment in 3D by adapting Inventor to support your company's design standards and engineering processes.

Increase speed and productivity with configurable styles so drawings conform to standards. Publish custom components in the Content Center to be sure that designers use appropriate components in their designs, and create custom tools to streamline frequently used procedures.

## ENHANCED Styles

Work faster by instantly changing the formatting of an entire document, and help ensure consistency with your company standards:

- Styles are combinations of formatting characteristics such as font size, color, standards, and linetype.
- Styles are easily named and stored as a template.
- Styles are used to control all aspects of drawing formats.
- When users apply a style, all formatting instructions in that style are applied at once.
- A set of common styles can be configured for use by an entire project team.



## ENHANCED Task Scheduler

Increase productivity by automating repetitive and nonproductive tasks. The Inventor Task Scheduler enables users to schedule single or multiple (batch) automated tasks such as

- AutoCAD, Mechanical Desktop, and Inventor file migrations
- Assembly and drawing updates
- Print jobs
- IGES and STEP import and export
- DWF publishing
- DWG import and export
- User-defined tasks
- File upload and check-in to the Vault
- File check-out and download from the Vault

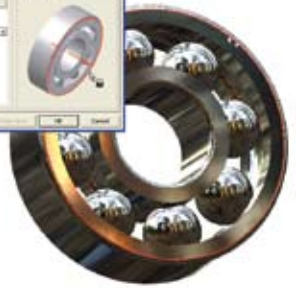


## ENHANCED Open API

Inventor includes a well-documented API to help automate specialized workflows. Increase the productivity of design and detailing operations to accommodate the unique needs of each company. Use the Drawing Manager API to automate commonly used detailing workflows and reduce the time to complete production drawings. The Drawing Manager API provides full access to the drawing view geometry and commands for creating detail views, dimensions, and annotation entities. It includes tools to control selection filters and extend the Inventor data model by adding custom attributes to Drawing Manager objects.

## Content Center Publishing Tools

Quickly prepare and publish large catalogs of library parts. The Content Center's publishing tools include an editing environment and batch processing of large data sets to streamline the process of preparing and publishing company parts as well as vendor catalogs. It also includes tools to set up intelligent part catalogs.





# Learning Resources

Inventor offers a range of learning and reference resources to help users maintain skills and quickly make the most of the 3D design environment.

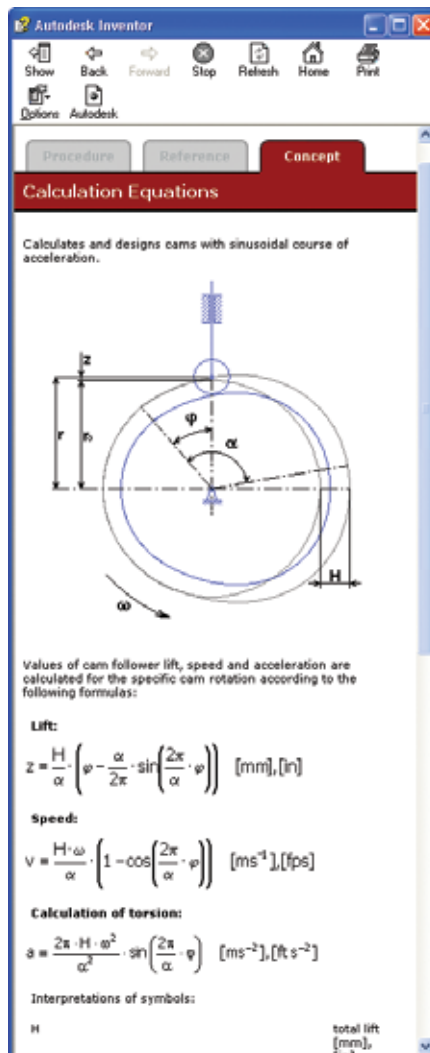
Learn new skills, look up information about a procedure or tool, or get the latest tips and tricks needed to stay productive.

## e-Learning

Accelerate learning through flexible access to tutorials and best practices. A valuable component of Autodesk® Subscription, e-Learning provides a continually expanding curriculum of short training exercises.

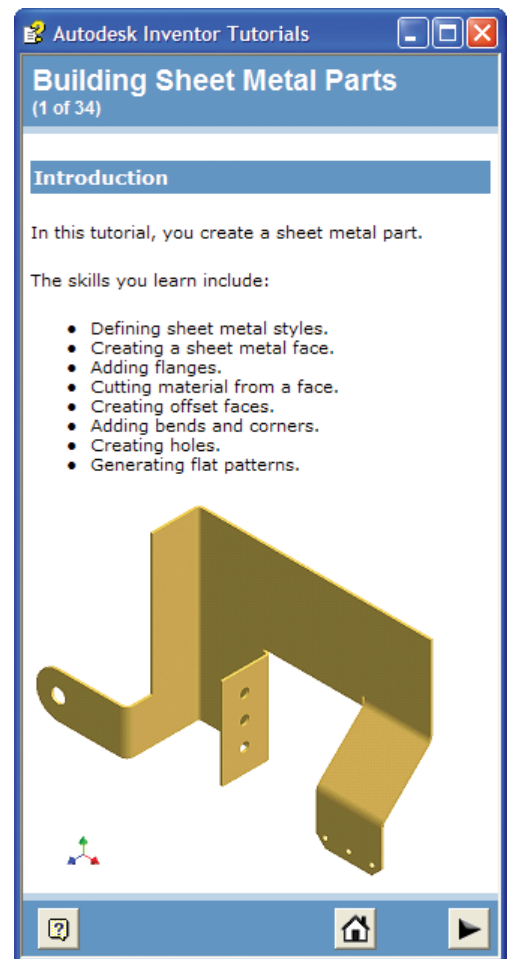
## Engineer's Handbook

Save time researching engineering formulas, tables, and standards. The Engineer's Handbook provides a comprehensive online reference of engineering theory, formulas, and algorithms, and a manufacturing knowledge base that is easily accessible from anywhere in Inventor.



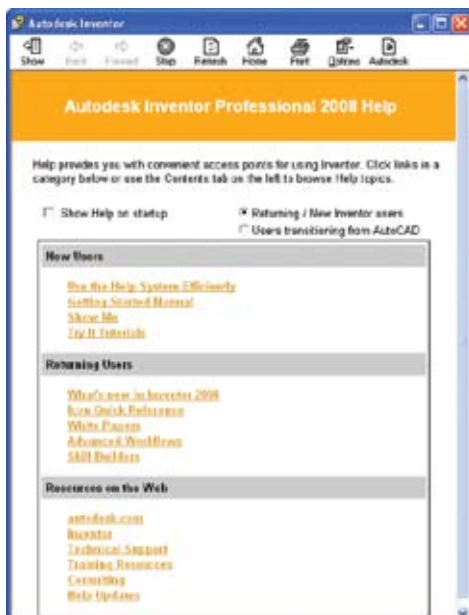
## ENHANCED Tutorials and Skill Builders

Use extended learning modules, including tutorials with “Show Me” animations and Skill Builders, to enhance your understanding and skills.



## ENHANCED Advanced Help System

Speed the transition to 3D with contextual help. The advanced help system is easier to use with improved navigation and profiles that present users with the right information based on their user profile.



## NEW Deployment Guide

Complete the installation of Inventor with minimum time and effort. Whether you are planning a new deployment or upgrading to Autodesk Inventor 2008, this easy-to-read booklet provides the information you need to succeed.

## Autodesk Manufacturing

Never before have design applications and data management tools come together to simplify the way manufacturers design products and drive them through the manufacturing process. Autodesk provides a complete, interoperable line of industry-leading software integrated with a worldwide network of services and partners. Gain access to technical expertise for implementation, and utilize training and support programs direct from Autodesk to help use your design and data management software more effectively. Software maintenance programs allow you to stay up-to-date with the latest product releases and upgrades for your software. Designed to be deployed incrementally for minimal business disruption, Autodesk tools for manufacturing provide the most effective way to stay ahead of the competition and achieve maximum return on your software investment.

### Learn More or Purchase

Learn about the different Inventor products available to fit your specific design needs.

	Autodesk Inventor Suite 2008	Autodesk Inventor Routed Systems Suite 2008	Autodesk Inventor Simulation Suite 2008	Autodesk Inventor Professional 2008
Autodesk Inventor	•	•	•	•
AutoCAD Mechanical	•	•	•	•
Cable and Harness Design		•		•
Tube, Pipe, and Flexible Hose Design		•		•
Stress Analysis (FEA)			•	•
Dynamic Simulation			•	•
Autodesk Vault	•	•	•	•

Discover why Inventor products are the best choice for manufacturing companies. For more information, visit [www.autodesk.com/inventor](http://www.autodesk.com/inventor).

For more information on extending the power of your design technology, visit [www.autodesk.com/subscription](http://www.autodesk.com/subscription).

For more information on making the most of your software investment, visit [www.autodesk.com/consulting](http://www.autodesk.com/consulting).

Purchase Autodesk Inventor software through your Autodesk Premier Solutions Provider or Autodesk Authorized Reseller. To locate the reseller nearest you, visit [www.autodesk.com/reseller](http://www.autodesk.com/reseller).

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